

Table A-26. Mean[†] yield and agronomic traits of 24 Maturity Group IV Early (4.0 - 4.5) soybean varieties evaluated in small plot replicated trials at the Milan Rim AgResearch and Education Center - Non-Irrigated Trial in Milan, Tennessee during 2024.

Variety	Herbicide Pkg [†]	Avg. Yield [§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging ^{††} (1-5)
Dyna-Gro S43XF85S	XFS	62 A	10.6 A	134 B-D	35 C-G	1.0
Xitavo XO 4364E	E3	62 A	10.7 A	131 D-F	33 E-H	1.0
Asgrow AG44XF4	XFS	59 A	9.9 A	139 A	31 H	1.0
Asgrow AG42XF4	XF	58 A	10.3 A	133 CD	36 C-F	1.0
MO S20-15411GT	RR	58 A	11.4 A	139 A	36 C-F	1.0
Dyna-Gro S41EN72	E3	58 A	10.5 A	132 DE	38 A-D	1.0
Innvictis A4411XF	XF	56 A	10.9 A	139 A	38 A-D	1.0
Benson Hill N44D923S	Conv	55 A	11.1 A	126 G	36 C-E	1.0
Great Heart GT4538XFS	RR/LL-Synchrony	55 A	10.1 A	133 CD	41 A	1.0
Pioneer P45Z75E	E3	55 A	9.7 A	127 FG	37 B-D	1.0
Innvictis A4564XF	XF	55 A	10.4 A	136 A-C	41 AB	1.0
Revere 44-F44	XF	55 A	10.4 A	137 AB	38 A-C	1.0
Pioneer P43Z44SE	E3S	54 A	10.3 A	127 FG	32 GH	1.0
MO S20-2227	Conv	54 A	10.8 A	128 E-G	36 C-F	1.0
Xitavo XO 4255E	E3	52 A	10.3 A	127 G	33 E-H	1.0
MO S20-14129GT	RR	52 A	10.2 A	136 A-C	36 C-F	1.0
Xitavo XO 4405E	E3	51 A	9.7 A	138 AB	33 F-H	1.0
Benson Hill C44H054S	Conv	50 A	10.1 A	133 CD	31 H	1.0
Innvictis A4102XF	XF	50 A	9.8 A	131 D-F	38 A-C	1.0
Pioneer P41Z80BLX	E3S-Bolt	50 A	10.1 A	128 E-G	41 A	1.0
Dyna-Gro S45EN25	E3	50 A	10.5 A	128 E-G	37 CD	1.0
USG 7435XFS	XFS	49 A	10.3 A	134 B-D	34 D-H	1.0
Benson Hill BH43Q207	Conv	48 A	10.1 A	125 G	36 C-E	1.0
MO S20-5669	Conv	46 A	10.5 A	135 A-D	33 E-H	1.0
Average		54	10.4	132	36	1.0
Standard Error		5	0.3	2	1	-
L.S.D._{.05}		N.S.	N.S.	4	4	-
C.V.		14	5	2	6	-

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.

- Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

- C.V. is only reported for variables evaluated on a ratio scale.

- L.S.D. values are given for ANOVA that were significant at P<0.05. Variables in which minimal variation was observed were not subjected to ANOVA and are reported as N.S.

‡ For a full description of abbreviated biotech traits, see table 23.

* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.

§ All yields are adjusted to 13% moisture.

†† Lodging was evaluated on a scale of 1 (no lodging) to 5 (complete lodging).